

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

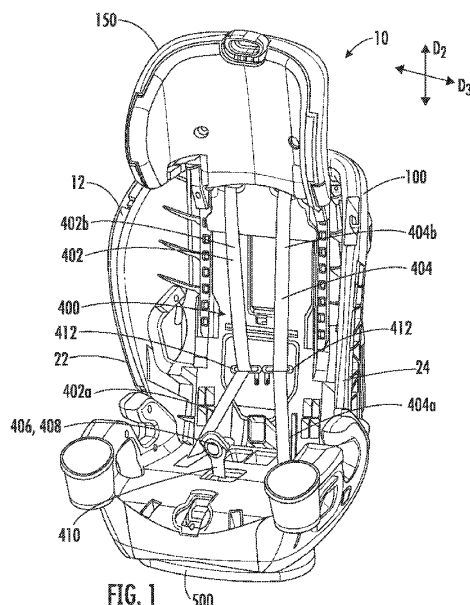
(43) International Publication Date
03 November 2022 (03.11.2022)



(10) International Publication Number
WO 2022/232379 A1

- (51) International Patent Classification: [US/US]; 57 Quaker Hill Road, Morgantown, Pennsylvania 19543 (US).
B60N 2/28 (2006.01)
- (21) International Application Number: PCT/US2022/026710
- (22) International Filing Date: 28 April 2022 (28.04.2022)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
63/181,577 29 April 2021 (29.04.2021) US
63/221,971 15 July 2021 (15.07.2021) US
63/255,895 14 October 2021 (14.10.2021) US
- (71) Applicant: **WONDERLAND SWITZERLAND AG** [CH/CH]; Beim Bahnhof 5, 6312 Steinhausen (CH).
- (72) Inventors; and
- (71) Applicants: **LEHMAN, David A.** [US/US]; 2 Parkwood Drive, Lancaster, Pennsylvania 17603 (US). **MASON, Kyle S.** [US/US]; 125 Pleasant View Drive, Lititz, Pennsylvania 17543 (US). **TAYLOR, Andrew J.** [US/US]; 746 Fairmont Avenue, Mohnton, Pennsylvania 19540 (US). **HARTENSTINE, Curtis M.** [US/US]; 20 Osprey Lane, Birdsboro, Pennsylvania 19508 (US). **HORST, Andrew J.**
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

(54) Title: CHILD CAR SEAT



(57) Abstract: In one example, a child car seat for a vehicle has a main body with seatback, a seating surface that extends forward from the seatback, and a recline foot. The recline foot has a front end that defines an engagement region that engages a vehicle seat, and a rear end disposed behind the front end. The rear end is coupled to the main body such that the recline foot pivots relative to main body about a pivot axis to transition the main body between at least one reclined position and at least one inclined position. The rear end has a rigid portion, and the car seat has a deformable body affixed to the rigid portion. The deformable body engages the vehicle seat and deforms under a lower force than the rigid portion.

WO 2022/232379 A1

[Continued on next page]

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*